

ABSTRACT

A high-definition plasma display panel and its manufacturing method. Luminance is increased by increasing surface area of a phosphor layer without reducing a discharge space of a discharge cell. For formation of the phosphor layer, an organic binder is made by dissolving, through heating, at least an organic solvent and a plurality of resins of different solubilities with respect to the organic solvent, and phosphor paste is made of this organic binder and phosphor particles. A recessed and projected part is formed of spaces formed by burning out gelled substances formed by the resin with low solubility in a phosphor film, thereby increasing the surface area of the phosphor layer. Consequently, increased luminance is obtained.